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## Geology and Exploration Symposium summary of the symposium on “Exploration and exploitation in deep water”

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1) Mitsui Oil Exploration Co., Ltd.

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**Abstract:** The use of new technologies and cost reductions in prospecting and engineering are indispensable for deep water exploration, development and production of oil and natural gas.

The objective exploration areas in the deep water spread out from the continental slope to the ocean floor, known as the continental passive margin basin fronting major oceans. The reservoir rocks expected to be encountered in deep water exploration are turbidite sandstones. The source rocks in deep water areas are expected to be not only lucastrine shale, but also biosphere in the deep water environment. In addition, hydrocarbons of inorganic origin may also contribute to one of the sources to a certain extent.

Presently, development and production up to depths of 2,000m and exploration of depths up to 3000m are being conducted. It is assumed that deep water exploration will continue to see a high level of activity, but the success of such exploration will depend on innovative exploration concepts and improvements in technology.

**Key words:** [deep water exploration](#), [deep water exploitation](#), [ocean floor](#), [turbidite sandstone](#)

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